

# Facial **iD**

Mandible reconstruction



**iD Solutions**

Individually designed. Personalised care.

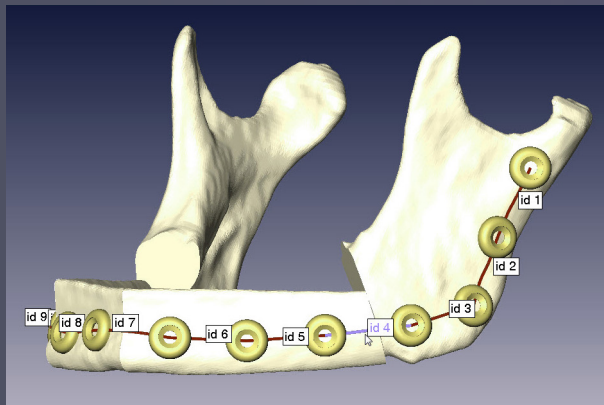
# We're putting the control in **your hands**



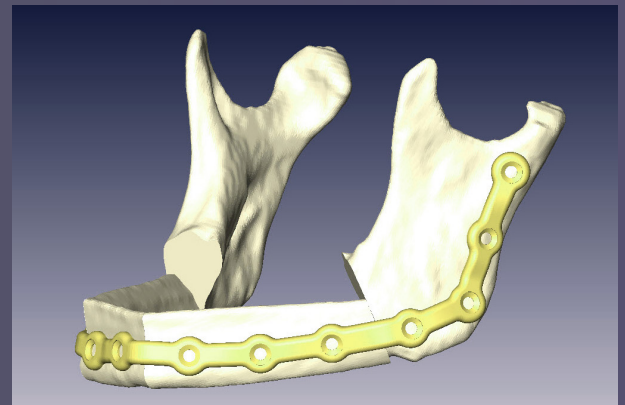
Based on patient specific anatomical data and your input, we designed the Facial iD reconstruction plate to meet the individual needs of you and your patients. These customised plates are manufactured to the planned patient outcome, eliminating the time needed for intra-operative adaptation. In collaboration with 3D Systems, Virtual Surgical Planning (VSP) can be used to enhance your patient outcomes.

## Personalised design session

During a design session, you can interface with a design engineer to select specific plate features such as profile height, length and run of the plate, number of screw holes, as well as individual bar strengthening.

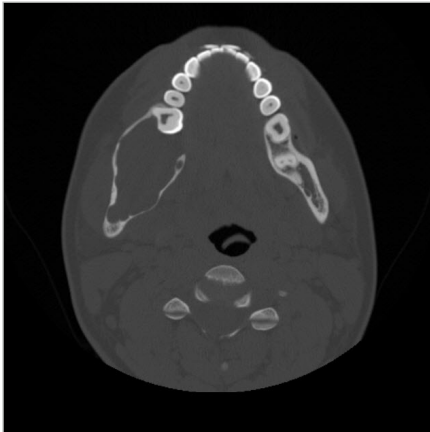


Screw holes are placed along mandible



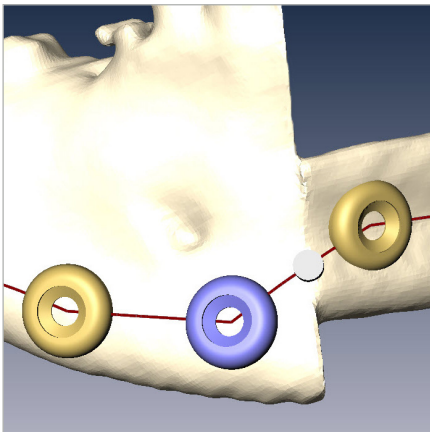
Visualise completed plate design

# The value of true customisation



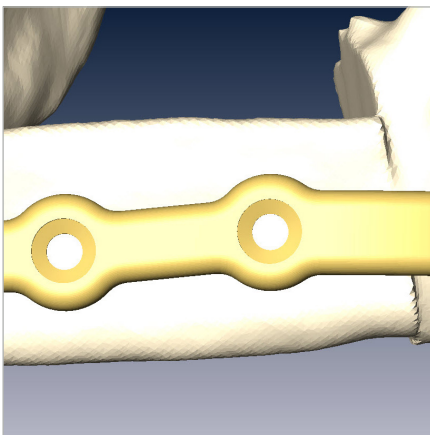
## **Patient-specific design derived from patient CT data**

Our iD Solutions team creates a virtual reconstruction and an individual plate design with your online participation. Plate design is based upon a CT scan of your patient.



## **Customisable design features**

By selecting specific plate design features like profile height, length and run of the plate you can create patient-specific solutions. Specific screw hole positions are defined individually to avoid screw interference with nerves, tooth roots, osteotomies and existing or future implants.



## **Customised strength optimisation**

Plate profile heights of 2.0mm and 2.8mm combined with increased individual bar widths may improve the fatigue strength by approximately 40% compared to standard universal reconstruction plates.<sup>1</sup>

## Primary mandible reconstruction (2.0mm)



78-31020  
full



78-30020  
hemi

## Secondary mandible reconstruction (2.8mm)



78-31028  
full

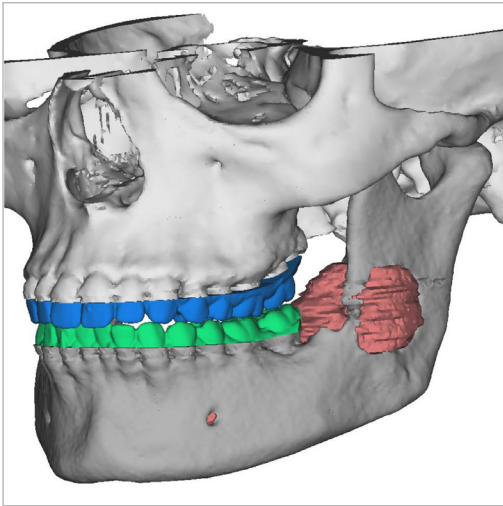


78-30028  
hemi

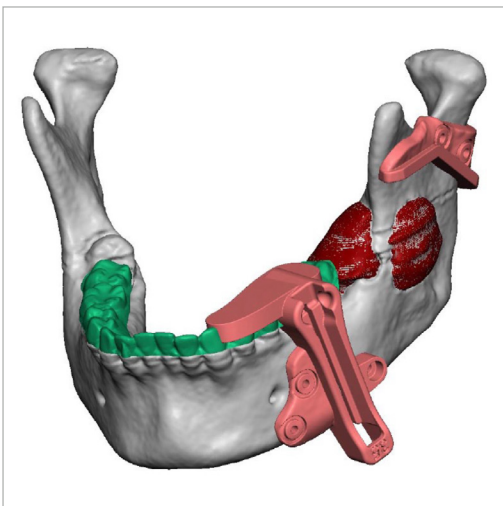
# Facial iD

Reconstruction

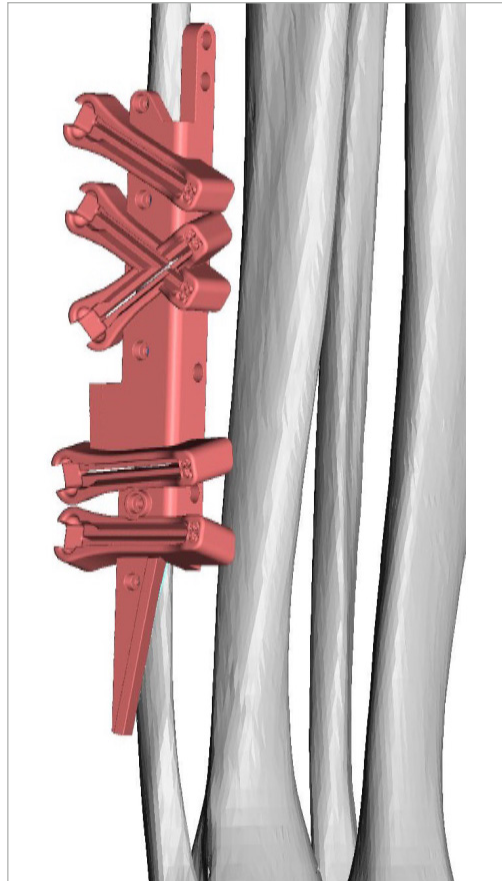
with VSP



**Pre-operative patient anatomy**



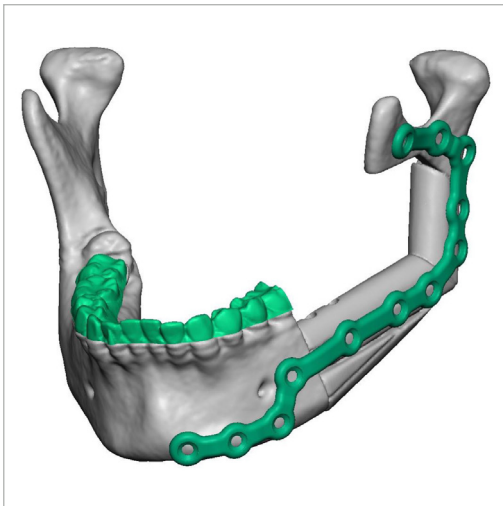
**Mandible cutting guides with metal inserts**



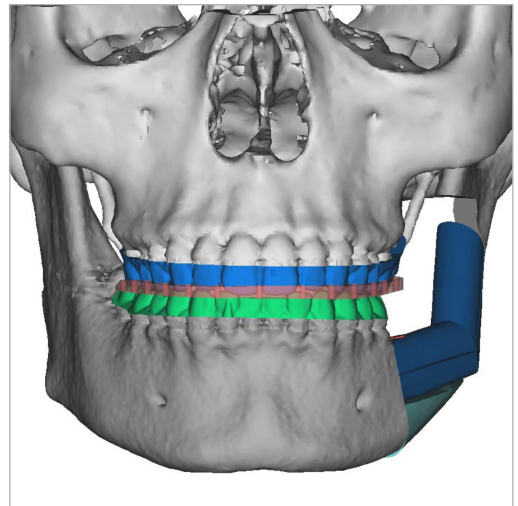
**Fibula cutting guides with metal slot inserts**



Together with 3D Systems  
we offer  
**Virtual Surgical Planning**



**Post-operative mandible  
with our Customised  
Mandible Recon Plate**



**Post-operative anatomy  
with final splint**

## References

1. Dynamic Testing. Reports available at Stryker Leibinger GmbH & Co. KG.

## Craniomaxillofacial

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